

WIREWALL™ HIGH SECURITY FENCING

MAXIMUM
SECURITY
*Visual
Appeal*



RIVERDALE

FOCUSED ON PRODUCT INNOVATION

COMPANY HISTORY



Riverdale Mills

Riverdale Mills Corporation was founded in 1979 by a team of industry experts sharing a single goal: to manufacture a more weather-resistant and corrosion-resistant welded wire mesh product. They began by engineering proprietary, custom-designed equipment that could turn out higher performance wire mesh

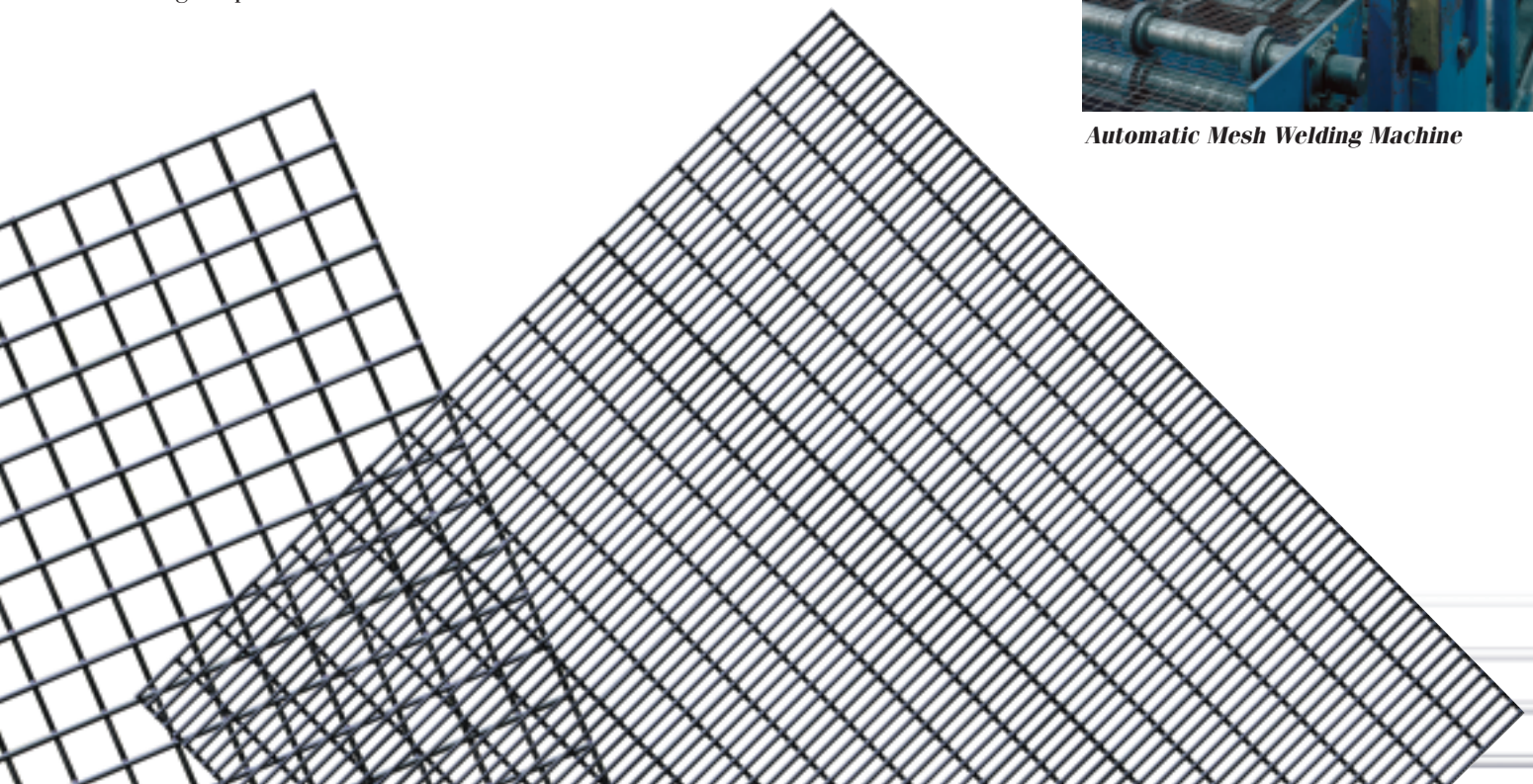
with more consistency than had ever before been achieved by the industry. Today, Riverdale Mills produces over 20 million linear feet of wire per year in its 250,000-sq.ft. manufacturing facility housed in a completely renovated historic Central New England mill building.

COMMITMENT TO QUALITY

Riverdale Mills welded wire mesh has set new standards for high performance, corrosion resistance, and durability. What sets us apart from other wire mesh suppliers is our ability to strictly control every aspect of the manufacturing process and to manage each step to meet the unique requirements of our customers. The result is a wire mesh product with the industry's highest tensile strength at its core, treated with our own specially formulated, highest-quality protective coatings, and galvanized with five to seven times more zinc than other manufacturers' products.



Automatic Mesh Welding Machine



N AND A COMMITMENT TO SERVICE.



Wire Mesh Being Hot Dipped Galvanized

SUPERIOR MANUFACTURING MAKES A PREFERRED PRODUCT

At Riverdale Mills, the process begins with wire rod, made to our exact specifications and quality tested in our laboratory to be sure its chemistry is free of contaminants.

Once the wire has passed inspection, the first step is to draw the rod to the exact gauge, using our state-of-the-art, computer controlled equipment to produce wire that is perfect for the application.

Next, the wire is welded to the desired mesh size with each weld point individually controlled, enabling us to meet stringent quality requirements and, at the same time, ensure dimensional accuracy. What's more, Riverdale wire spacing is infinitely adjustable, which means we can produce wire mesh sizes that most manufacturers cannot.

The mesh is then hot-dip galvanized using a direct-fired, 99% pure zinc bath. This unique process reduces the build-up of iron in the molten zinc, eliminating a problem long associated with galvanizing lines used by other mesh manufacturers.

In the final step we apply our own specially compounded polyvinyl chloride (PVC) or polyester coating to the welded wire mesh. The advanced polymers used in this process are measured and monitored by special equipment and testing procedures.

TOMORROW'S STANDARDS DELIVERED TODAY

Riverdale Mills' extensive research and design programs begin where the end product will be used. Our specialized design engineering team works closely with customers, listening to their needs. It's the integration of research, engineering and manufacturing that keeps Riverdale Mills on the cutting edge of technology, enabling us to provide product that meets or exceeds our customers' expectations.



Wire Strand Galvanizing Line



PRESIDENT'S MESSAGE

On May 1, 1979 the boards came off the windows of an abandoned mill building in Northbridge, Massachusetts. This building would soon come alive with a dedicated staff and newly built machinery to produce a different and better wire mesh material. So, it was December 1980, when the first of its kind was manufactured and shipped to a customer in Maine. Today, we're proud to say Riverdale wire mesh products are shipped all over the world.

Riverdale Mills has developed many unique products for use in a variety of applications. Aquamesh® wire for harsh marine environments, Geomesh™ gabions used in erosion control, and perhaps foremost, WireWall™ high security fencing for protection of personnel and property.

All of us at Riverdale Mills are committed to delivering excellence in service and product to our customers as we continually strive to develop new and different products for the marketplace.

Jim Knott, Sr.
President & Founder

ELIMINATING THE BARRIERS BET

WIREWALL™: THE NO BREAK-THROUGH CHOICE

Riverdale Mills WireWall high security fencing is the essential solution to hardening perimeters for property protection. It offers the benefits of masonry walls at or below the cost of other wire barriers. With WireWall fencing you get a virtually impenetrable barrier that out lasts and out performs nearly all other fencing options.



WireWall goes up in panels, saving time and equipment needed for installation.



With WireWall, any would-be climber can't get a handhold or toehold.

WireWall's clean lines, variety of mesh configurations and available colors make it an aesthetically appealing choice for a wide variety of installations.

SUPERIOR DETERRANCE

Specifically developed for maximum-security prisons, WireWall welded wire mesh is a proven high performance fencing option, readily available for all types of high security applications. WireWall's unique welded mesh design and construction features narrow openings that are highly resistant to climbing or cutting. Unlike the woven pattern of chain link fencing, WireWall won't unravel or lose its stability if a cut is made.



WireWall is engineered with a uniformed PVC over hot dipped galvanized coating for better performance.



WEEN COST AND PERFORMANCE



Prevent access to sensitive or dangerous areas with WireWall fencing.

What's more, military testing proved it took several minutes to cut a 2' by 2' opening in WireWall fencing versus a few seconds for chain link.

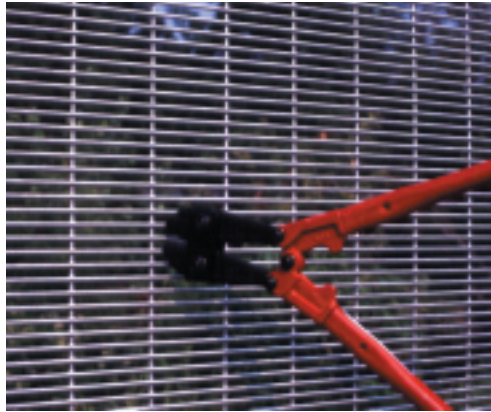
EXCEPTIONAL PERFORMANCE

WireWall fencing is ideal for correctional, military, energy and other highly sensitive sites. No other product works more dependably for containment or protection of valuable property or equipment. Its welded mesh design and construction



WireWall has no blind spots, so there's a clear line of sight at any angle.

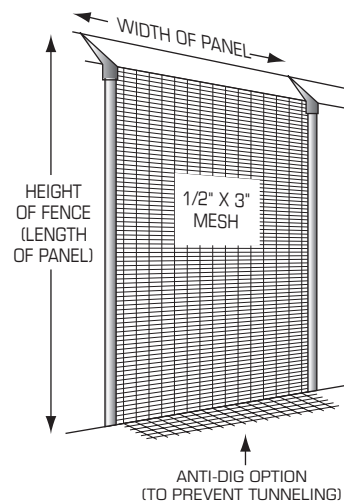
provides unchanging structural integrity for long-lasting durability. Moreover, WireWall has no blind spots, providing a clear line of sight at any angle.



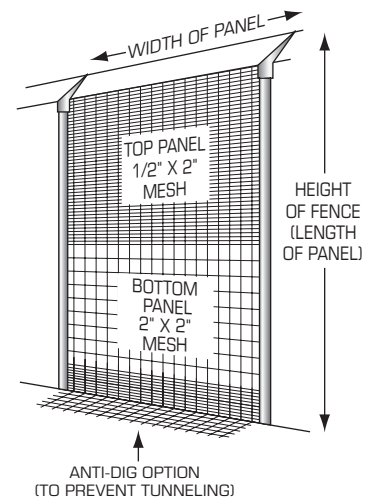
WireWall features openings too narrow to allow cutters a good grip.

WireWall fencing goes up in panels, making it easier to handle and install. This greatly reduces the time, equipment and skill required for installation. And, its maintenance free design means lower maintenance costs, too.

STANDARD MESH PANELS



COMBINATION WELDED MESH PANELS



Two cost-effective mesh panel options provide increased security without added costs.

BRACKETS & INSTALLATION



C Post Bracket Sizes:

1.625" x 1.250"

1.700" x 2.250"

2.500" x 3.250"

Round Post Bracket Sizes:

1.660"

1.875"

2.375"

2.875"

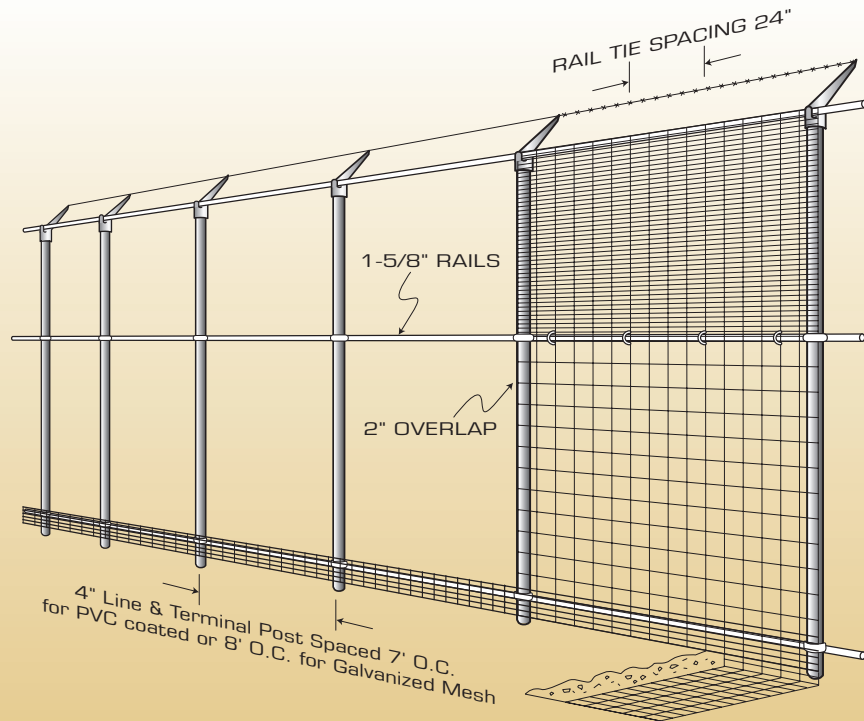
4.000"

HARDWARE

WireWall fencing panels are attached to line posts, terminal posts, and gate frames with 1" x 10 gauge thick zinc-coated post brackets.

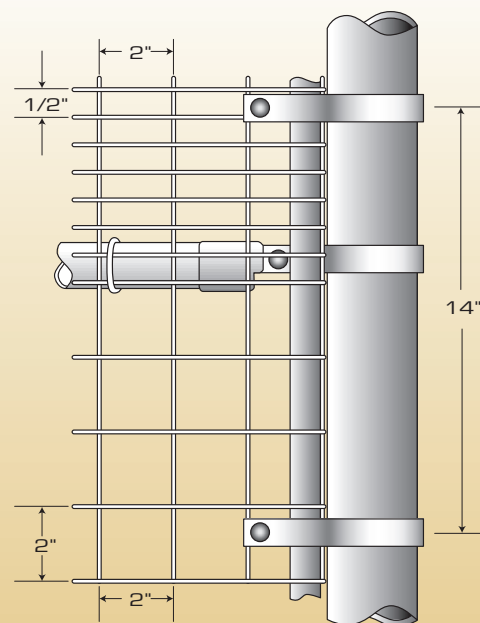


Boulevards, Loop Caps, Barb Arms, Rail Ends, and Continuous Attaching Bars also available.



Top Panel 1/2" x 2", 10.5G, Bottom Panel
2" x 2" 8g Galvanized or PVC Coated Over
Hot Dipped Galvanized Welded Mesh

Anti-Dig Grid 1/2" x 2" 10.5g
Galvanized or PVC Coated



END/CORNER CONNECTION

MEETING OR EXCEEDING ASTM SPECIFICATIONS

WELDED WIRE

- ASTM A 85** Standard Specifications for Steel Welded Wire Fabric. Plain, for Concrete Reinforcement.
- ASTM A 370** "Standard Test Methods and Definitions for Mechanical Testing of Steel Products."
- ASTM A 853** "Standard Specifications for Steel Wire, Carbon, for General Use."

ZINC COATING

- ASTM A 90** Standard Test Method for Weight of Coating on Zinc-Coated (Galvanized) Iron or Steel Articles.
- ASTM A 123** "Standard Specifications for Zinc (Hot-Dip Galvanized) Coatings on Iron Steel Products."

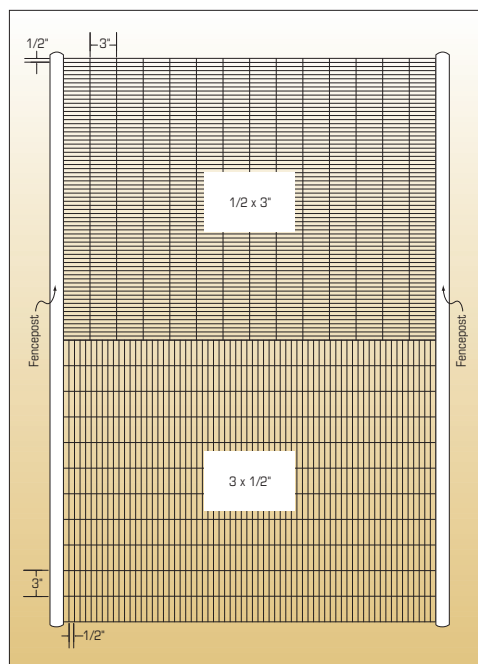
PVC COATINGS





COATING PROPERTY	TEST METHOD	VALUE
Specific Gravity	ASTM D 792	Range of 1.20-1.40
Tensile Strength	ASTM D 638	2275 PSI
Elongation	ASTM D 638	1980 PSI
Hardness	ASTM D 2240	75 Min. Shore A
Salt Spray	ASTM B 117	3000 hrs. no effect
Exposure to Ultraviolet Light	ASTM 1499 ASTM G 23	3000 hrs.

INSTALLATION INSTRUCTIONS

- 1) Clear and grade fence area. Grading shall be done to provide a straight flat and level surface. Soil or stone fill shall be thoroughly compacted.
- 2) Place posts apart 7, 8, or 10 feet on center depending on panel width and wind load requirements. Larger diameter corner posts are not required.
- 3) Ensure that posts are plumb.
- 4) Place panels on fence posts with a 2-3" overlap between adjacent panels. If two panels are required to achieve a specific height or pattern, ensure that there is at least a 4" overlap between the top and bottom panels.
- 5) Attach panels to the posts with tie wires, brackets, or boulevards. No stretching is required with welded mesh panels.
- 6) If a steep grade is encountered, step the panels along the grade.
- 7) Continue attaching panels until fence is complete.
- 8) Ground Fencing.
- 9) Done. Go to www.riverdale.com for more information.

HOW TO SPECIFY WELDED WIRE MESH



	W&M GAUGE OF WIRE	DECIMAL SIZE OF WIRE
	10.5	.128
	8 1/2	.155
	8	.162
	6	.192

WIREWALL MATERIAL OPTIONS:

High tensile carbon steel wire for superior strength; conforms to ASTM A853, Grade AISI 1008 and 1010. Stainless steel Type 304 and 316 for installations where limited or no magnetic interference is allowed.

PROTECTIVE COATINGS:

Uniform hot-dipped zinc, conforming to ASTM A123 and other standards ensuring maximum performance. PVC coatings conforming to ASTM F668, Class 2b, are fuse-bonded to prevent peeling and provide additional protection.

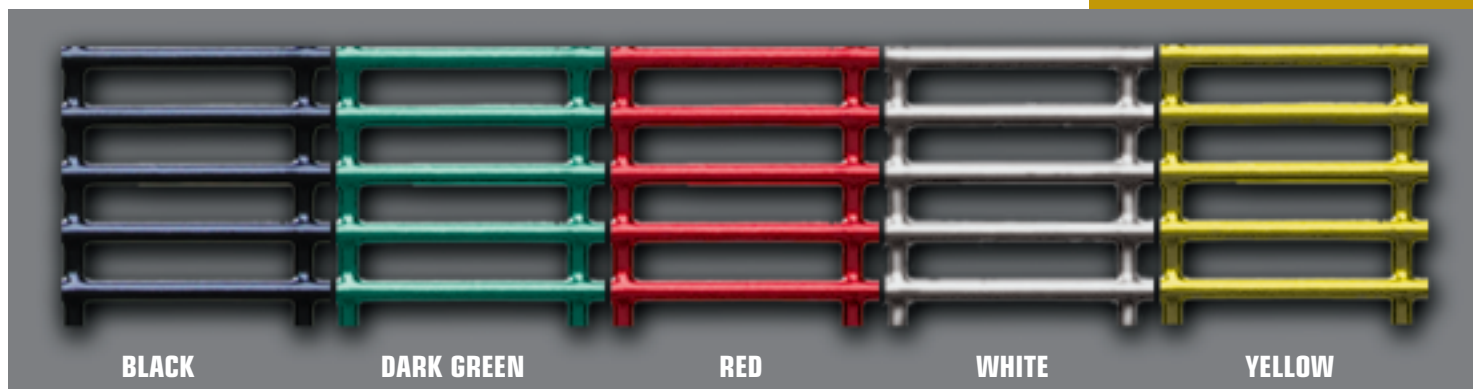
WIREWALL™ STANDARD FENCING SPECIFICATIONS

MESH SIZE

APPROX. LBS PER 100 FT²

Spacing of Horizontal Wires		Spacing of Vertical Wires		Gauge of Wire		Width of Panel		Length of Panel		Galvanized 2.0 oz/ft²	PVC coated over Galvanized
IN.	MM	IN.	MM	GAUGE	IN. MM	IN.	MM	FT.	M		
.5"	(12.7)	2"	(50.8)	10 1/2	.128" (3.25)	74", 86" 98", 122"	(1880), (2184) (2489), (3099)	7'-21'	(2.13)-(6.40)	135	162
.5"	(12.7)	3"	(76.2)	10 1/2	.128" (3.25)	75", 87" 99", 123"	(1905), (2210) (2514), (3124)	7'-21'	(2.13)-(6.40)	126	153
.5"	(12.7)	3"	(76.2)	8	.162" (4.0)	75", 87" 99", 123"	(1905), (2210) (2514), (3124)	7'-21'	(2.13)-(6.40)	205	250
2"	(50.8)	2"	(50.8)	10 1/2	.128" (3.25)	74", 86" 98", 122"	(1880), (2184) (2489), (3099)	7'-21'	(2.13)-(6.40)	54	66
2"	(50.8)	2"	(50.8)	8	.162" (4.0)	74", 86" 98", 122"	(1880), (2184) (2489), (3099)	7'-21'	(2.13)-(6.40)	88	106
2"	(50.8)	2"	50.8)	6	.192" (4.88)	74" 86" 98" 122"	(1880)(2184) (2489)(3099)	7'-21'	(2.13)-(6.40)	120	150

WIREWALL AVAILABLE COLORS*



*Minimum order quantities apply for colors. Colors shown above are for reference only and may not be used as an exact representation of actual colors available.



RIVERDALE

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